INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01C21/16 G01C19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \qquad G01C \quad G01P$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUME	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 645 077 A (FOXLIN ERIC M) 8 July 1997 (1997-07-08) column 6, line 20 - line 58 column 7, line 11 - line 28 column 11, line 23 - line 38	1-9
Υ	US 5 819 206 A (HORTON ET AL) 6 October 1998 (1998-10-06) column 2, line 16 - line 53 column 5, line 26 - column 6, line 21 column 7, line 29 - line 37	1-9
A	US 4 119 212 A (FLEMMING ET AL) 10 October 1978 (1978-10-10) column 1, line 29 - line 36	4

	χ	Further documents are listed in the continuation	of box C.
•	_	4	

γ Patent family members are listed in annex.

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- 'P' document published prior to the International filing date but later than the priority date claimed
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Date of mailing of the international search report

Date of the actual completion of the international search

19/05/2005

4 May 2005

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Rabenstein, W

INTERNATIONAL SEARCH REPORT

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/FR2004/050729	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Ą	EP 0 655 301 A (ASEA BROWN BOVERI AB) 31 May 1995 (1995-05-31) column 6, line 17 - column 7, line 22	4	
A	US 2003/028340 A1 (BRUNSTEIN ETIENNE) 6 February 2003 (2003-02-06) page 1, paragraph 20 - paragraph 22 page 2, paragraph 35 - paragraph 37 page 3, paragraph 60 - paragraph 64	1-3,5-9	
A	FR 2 838 185 A (COMMISSARIAT ENERGIE ATOMIQUE) 10 October 2003 (2003-10-10) cited in the application the whole document	1	
		ý.	

INTERNATIONAL SEARCH REPORT

iformation on patent family members

Interational Application No PC1/FR2004/050729

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5645077 A	08-07-1997	US 2003023192 A1 US 6162191 A US 6361507 B1 US 5807284 A	30-01-2003 19-12-2000 26-03-2002 15-09-1998
US 5819206 A	06-10-1998	US 5615132 A	25-03-1997
US 4119212 A	10-10-1978	NONE	
EP 0655301 A	31-05-1995	SE 501867 C2 DE 69411130 D1 DE 69411130 T2 EP 0655301 A1 ES 2119946 T3 JP 7186073 A SE 9303757 A US 5687293 A	12-06-1995 23-07-1998 11-02-1999 31-05-1995 16-10-1998 25-07-1995 16-05-1995 11-11-1997
US 2003028340 A1	06-02-2003	FR 2826447 A1 DE 10228639 A1 GB 2378765 A ,B	27-12-2002 02-01-2003 19-02-2003
FR 2838185 A	10-10-2003	FR 2838185 A1 AU 2003236880 A1 EP 1492998 A2 WO 03085357 A2	10-10-2003 20-10-2003 05-01-2005 16-10-2003